

DEPARTMENT OF TRANSPORTATION

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Sacramento, CA 95816



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August 29, 2003

03-Pla-80-2.4/4.8
03-375604
ACIM-080-3(230)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in PLACER COUNTY IN ROSEVILLE FROM 2.4 KM EAST OF SOUTH ROSEVILLE OVERCROSSING TO 0.6 KM WEST OF ATLANTIC STREET OVERCROSSING.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on September 17, 2003, instead of the original date of September 9, 2003.

This addendum is being issued to set a new bid opening date as shown herein, revise the Project Plans, the Notice to Contractors and Special Provisions, and the Proposal and Contract.

Project Plan Sheets 2, 3, 5, 8, 13, 14, 24, 25, 30, 31, 34, 35, 36, 40, 41, 52, 53, 59, 69, 73, 81, 84, 144, 145, 150, 152, 153, 154, 155, 156, 171, 178, 181, 186, 231, 238, 252, 336, 339, 340, 349, 350 and 351 are revised. Half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 5A, 29A, 30A and 150A are added. Half-sized copies of the added sheets are attached for addition to the project plans.

On Project Plan Sheet 70, "System No.7" of the drainage profiles is deleted.

On Project Plan Sheet 104, "Traffic--Stage 1" Note 10 is revised as follows:

"Existing Oak Ridge Drive to remain open during construction of realigned Oak Ridge Drive from Sunrise Avenue to near Ascot Drive. Close existing Oak Ridge Drive prior to demolition of Oak Ridge Drive for reconstruction of the intersection of Ascot/Oak Ridge Drive."

In the Notice To Contractors, the thirteenth paragraph is revised to read as follows:

"Cross sections for this project are available at the office of the District Director of Transportation North Region Construction Office at 379-A Colusa Highway, Yuba City, California 95991."

03-Pla-80-2.4/4.8
03-375604
ACIM-080-3(230)E

In the Special Provisions, Section 1 "SPECIFICATIONS AND PLANS," in the "AMENDMENTS TO JULY 1999 STANDARD SPECIFICATIONS," the formula in the third paragraph of the amendment for Section 49-1.08, "PILE DRIVING ACCEPTANCE CRITERIA," is revised as follows:

$$"R_u = (7 * (E_r)^{1/2} * \log_{10} (0.83 * N)) - 550"$$

In the Special Provisions, Section 9, "DESCRIPTION OF BRIDGE WORK," the bridge work description for the "DOUGLAS-SUNRISE CONNECTOR OVERCROSSING," is revised as follows:

"DOUGLAS-SUNRISE CONNECTOR OVERCROSSING
(Bridge Number 19-0018)

A five span cast-in-place prestressed concrete box girder ramp over I-80, about 167 meters long and 9 meters wide and support on prestressed concrete piles and spread footings. This location includes two earth retaining structures as follows:

EARTH RETAINING STRUCTURE, LOCATION A
(Bridge No. 19-0185M)

EARTH RETAINING STRUCTURE, LOCATION B
(Bridge No. 19-0186M)"

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the second paragraph is deleted.

In the Special Provisions, Section 10-1.02, "WATER POLLUTION CONTROL," subsection, "SWPPP IMPLEMENTATION," the first paragraph of the subsection "Rainy Season Implementation Requirements," is deleted.

In the Special Provisions, Section 10-1.24, "EXISTING HIGHWAY FACILITIES," subsection, "ABANDON INLET," is added as follows:

"ABANDON INLET

Existing pipe inlets and concrete drainage inlets, where shown on the plans to be abandoned, shall be abandoned.

The top portion of the inlets shall be removed to a depth of 1 m below finished grade.

Removed frames and grates shall be disposed of."

In the Special Provisions, Section 10-1.28, "STRUCTURE EXCAVATION (TUNNEL) (TYPE DH)," subsection, "SCOPE," the second sentence of the fifth paragraph is revised as follows:

"Copies of the report are available for inspection at the office of the District Director of Transportation North Region Construction Office at 379-A Colusa Highway, Yuba City, California 95991."

In the Special Provisions, Section 10-1.29, "EARTH RETAINING STRUCTURES," subsection, "MEASUREMENT AND PAYMENT," the second and third paragraphs are revised as follows:

"The contract price paid per square meter for earth retaining structure at each location shown on the plans shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in constructing the earth retaining structure and inspection elements, including earthwork, leveling pad, coping, bearing pads, furnishing and placing bar reinforcement, drainage systems, and complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

03-Pla-80-2.4/4.8
03-375604
ACIM-080-3(230)E

The contract price paid per cubic meter for structural concrete, barrier slab shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in constructing the barrier slab, including furnishing and placing bar reinforcement, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer."

In the Special Provisions, Section 10-1.58, "OVERSIDE DRAIN," the first paragraph is revised as follows:

"Asphalt concrete overside drains and alternative pipe downdrains shall conform to the provisions in Section 69, "Overside Drains," of the Standard Specifications."

In the Special Provisions, Section 10-1.59, "MISCELLANEOUS FACILITIES," the first paragraph is revised as follows:

"Flared end sections, reinforced concrete eccentric reducers, and drainage manholes shall conform to the provisions in Section 70, "Miscellaneous Facilities," of the Standard Specifications and these special provisions."

In the Special Provisions, Section 10-1.61, "MISCELLANEOUS CONCRETE CONSTRUCTION," the following paragraphs are added after the last paragraph:

"The concrete curb support at the depressed sidewalk from "D" 20+44.993 to "D" 21+32.650 Rt shall conform to the provisions in Section 51, "Concrete Structures," of the Standard Specifications.

The concrete curb support at the depressed sidewalk shall be measured and paid for as minor concrete (miscellaneous construction) and no separate payment will be made therefor."

In the Special Provisions, Section 10-6.02, "FIRE PROTECTION SYSTEM," subsection, "GENERAL," the first item in the first paragraph is revised as follows:

"Fire Protection Main Pipe"

In the Special Provisions, Section 10-6.02, "FIRE PROTECTION SYSTEM," subsection, "INSTALLATION," the following subsection is added after the first paragraph:

"Pipe Coatings—Fire protection system piping placed above ground shall be painted in accordance with Section 70-1.02B, "Welded Steel Pipe," of the Standard Specifications. Where the fire protection system pipe penetrates the tunnel wall, the pipe shall be wrapped in pipe tape, Polykin 920 or equal, from the outside of the tunnel wall to the insulation flange."

In the Proposal and Contract, the Engineer's Estimate Items 27, 28, 32, 36, 39, 65, 66, 69, 82, 97, 102, 103, 113, 114, 119, 120, 121, 125, 129, 137, 146, 147, 149, 150, 159 and 161 are revised, Items 183, 184, 185 and 186 are added and Items 107 and 182 are deleted as attached.

Addendum No. 1
Page 4
August 29, 2003

03-Pla-80-2.4/4.8
03-375604
ACIM-080-3(230)E

To Proposal and Contract book holders:

Replace the entire Engineer's Estimate in the Proposal with the attached revised Engineer's Estimate. The revised Engineer's Estimate is to be used in the bid.

Attached are copies of reports as Information Handout which are as follows:

Underground Classification (State of California Department of Industrial Relations)
Groundwater Monitoring and Sampling Report (Gettler-Ryan Inc., May 6, 2002)
Problem Assessment Report (SECOR on behalf of Chevron)

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Submit bids in the Proposal and Contract book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This office is sending this addendum by UPS overnight mail to Proposal and Contract book holders to ensure that each receives it. A copy of this addendum and the modified wage rates are available for the contractor's use on the Internet Site:

http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addendum_page.html

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY

REBECCA D. HARNAGEL, Chief
Office of Plans, Specifications & Estimates
Office Engineer

Attachments

ENGINEER'S ESTIMATE**03-375604**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	070012	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	LUMP SUM	LUMP SUM	
2	070018	TIME-RELATED OVERHEAD	WDAY	360		
3	072005	TEMPORARY BRIDGE	LS	LUMP SUM	LUMP SUM	
4	074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
5	074020	WATER POLLUTION CONTROL	LS	LUMP SUM	LUMP SUM	
6	031602	HYDROCARBON SAMPLING AND ANALYSIS	LS	LUMP SUM	LUMP SUM	
7 (S)	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
8 (S)	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
9	120120	TYPE III BARRICADE	EA	39		
10 (S)	120149	TEMPORARY PAVEMENT MARKING (PAINT)	M2	33		
11 (S)	120151	TEMPORARY TRAFFIC STRIPE (TAPE)	M	4500		
12 (S)	120159	TEMPORARY TRAFFIC STRIPE (PAINT)	M	120		
13 (S)	120165	CHANNELIZER (SURFACE MOUNTED)	EA	530		
14	031603	TRAFFIC PLASTIC DRUM	EA	57		
15	120300	TEMPORARY PAVEMENT MARKER	EA	1370		
16 (S)	128650	PORTABLE CHANGEABLE MESSAGE SIGN	LS	LUMP SUM	LUMP SUM	
17	129000	TEMPORARY RAILING (TYPE K)	M	4270		
18	129100	TEMPORARY CRASH CUSHION MODULE	EA	97		
19	150206	ABANDON CULVERT	EA	10		
20	150662	REMOVE METAL BEAM GUARD RAILING	M	23		

ENGINEER'S ESTIMATE**03-375604**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	150668	REMOVE FLARED END SECTION	EA	6		
22	031604	REMOVE YELLOW TRAFFIC STRIPE	M	2220		
23	031605	REMOVE WHITE TRAFFIC STRIPE	M	540		
24	150742	REMOVE ROADSIDE SIGN	EA	56		
25	150760	REMOVE SIGN STRUCTURE	EA	1		
26	150767	REMOVE BRIDGE MOUNTED SIGN	EA	1		
27	150805	REMOVE CULVERT	M	230		
28	150820	REMOVE INLET	EA	12		
29	150821	REMOVE HEADWALL	EA	1		
30	150826	REMOVE MANHOLE	EA	2		
31	150829	REMOVE RETAINING WALL	M	34		
32	150860	REMOVE BASE AND SURFACING	M3	700		
33	152390	RELOCATE ROADSIDE SIGN	EA	12		
34 (S)	153151	COLD PLANE ASPHALT CONCRETE PAVEMENT (25 MM MAXIMUM)	M2	17 700		
35 (S)	031606	COLD PLANE ASPHALT CONCRETE PAVEMENT (50 MM MAXIMUM)	M2	14 900		
36	153210	REMOVE CONCRETE	M3	230		
37	153221	REMOVE CONCRETE BARRIER	M	28		
38	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
39	190101	ROADWAY EXCAVATION	M3	38 100		
40	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	

ENGINEER'S ESTIMATE**03-375604**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	M3	1363		
42 (F)	049439	STRUCTURE EXCAVATION (TUNNEL) (TYPE D)	M3	43 600		
43 (F)	049440	STRUCTURE EXCAVATION (TUNNEL) (TYPE DH)	M3	2440		
44 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	M3	5282		
45 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	M3	913		
46 (F)	193006	STRUCTURE BACKFILL (SLURRY CEMENT)	M3	2990		
47 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	M3	903		
48	193031	PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	M3	95		
49 (F)	193039	STRUCTURE BACKFILL (TUNNEL)	M3	4420		
50 (F)	197021	EARTH RETAINING STRUCTURE, LOCATION A	M2	196		
51 (F)	197022	EARTH RETAINING STRUCTURE, LOCATION B	M2	175		
52 (F)	200101	IMPORTED TOPSOIL	M3	324		
53 (S)	200114	ROCK BLANKET	M2	300		
54 (S)	203003	STRAW (EROSION CONTROL)	TONN	10		
55 (S)	203014	FIBER (EROSION CONTROL)	KG	2400		
56 (S)	203024	COMPOST (EROSION CONTROL)	KG	7500		
57 (S)	203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	8		
58 (S)	203045	PURE LIVE SEED (EROSION CONTROL)	KG	40		
59 (S)	203056	COMMERCIAL FERTILIZER (EROSION CONTROL)	KG	340		
60 (S)	203061	STABILIZING EMULSION (EROSION CONTROL)	KG	300		

ENGINEER'S ESTIMATE

03-375604

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61 (S)	208731	200 MM CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	M	160		
62 (S)	208732	250 MM CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	M	220		
63	220101	FINISHING ROADWAY	LS	LUMP SUM	LUMP SUM	
64	260201	CLASS 2 AGGREGATE BASE	TONN	48 800		
65	390155	ASPHALT CONCRETE (TYPE A)	TONN	16 500		
66	390165	ASPHALT CONCRETE (OPEN GRADED)	TONN	2120		
67	391031	PAVING ASPHALT (BINDER-PAVEMENT REINFORCING FABRIC)	TONN	20		
68	393001	PAVEMENT REINFORCING FABRIC	M2	16 500		
69	394002	PLACE ASPHALT CONCRETE (MISCELLANEOUS AREA)	M2	1730		
70	394040	PLACE ASPHALT CONCRETE DIKE (TYPE A)	M	200		
71	394042	PLACE ASPHALT CONCRETE DIKE (TYPE B)	M	740		
72	394048	PLACE ASPHALT CONCRETE DIKE (TYPE E)	M	1080		
73	394049	PLACE ASPHALT CONCRETE DIKE (TYPE F)	M	640		
74	491007	FURNISH PILING (CLASS 400)	M	286		
75 (S)	491008	DRIVE PILE (CLASS 400)	EA	32		
76 (S)	500001	PRESTRESSING CAST-IN-PLACE CONCRETE	LS	LUMP SUM	LUMP SUM	
77 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	M3	409		
78 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	M3	982		
79 (F)	510056	STRUCTURAL CONCRETE, TUNNEL	M3	8810		
80 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	M3	631		

ENGINEER'S ESTIMATE

03-375604

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81 (F)	510072	STRUCTURAL CONCRETE, BARRIER SLAB	M3	167		
82 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	M3	67		
83 (F)	049441	ARCHITECTURAL TEXTURE	M2	1289		
84	518051	PTFE SPHERICAL BEARING	EA	8		
85 (S)	519128	JOINT SEAL ASSEMBLY (MR 100 MM)	M	16		
86 (S-F)	520102	BAR REINFORCING STEEL (BRIDGE)	KG	188 600		
87 (S-F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	KG	17 453		
88 (S-F)	520109	BAR REINFORCING (TUNNEL)	KG	852 600		
89 (S-F)	049442	PREFORMED MEMBRANE WATERPROOFING (TUNNEL)	M2	12 060		
90 (F)	560203	FURNISH SIGN STRUCTURE (BRIDGE MOUNTED WITH WALKWAY)	KG	3277		
91 (S-F)	560204	INSTALL SIGN STRUCTURE (BRIDGE MOUNTED WITH WALKWAY)	KG	3277		
92 (F)	560218	FURNISH SIGN STRUCTURE (TRUSS)	KG	26 244		
93 (S-F)	560219	INSTALL SIGN STRUCTURE (TRUSS)	KG	26 244		
94 (S)	561008	760 MM CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	M	18		
95 (S)	561009	920 MM CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	M	28		
96 (S)	031607	ROADSIDE SIGN (BRIDGE RAIL MOUNTED)	KG	104		
97	566011	ROADSIDE SIGN - ONE POST	EA	67		
98	566012	ROADSIDE SIGN - TWO POST	EA	6		
99	568001	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	26		
100 (S)	568016	INSTALL SIGN PANEL ON EXISTING FRAME	M2	72		

ENGINEER'S ESTIMATE

03-375604

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101 (S)	049443	PREPARING AND PAINTING CONCRETE (TUNNEL)	LS	LUMP SUM	LUMP SUM	
102	620904	300 MM ALTERNATIVE PIPE CULVERT	M	76		
103	620909	450 MM ALTERNATIVE PIPE CULVERT	M	760		
104	620913	600 MM ALTERNATIVE PIPE CULVERT	M	510		
105	620924	900 MM ALTERNATIVE PIPE CULVERT	M	38		
106	620930	1050 MM ALTERNATIVE PIPE CULVERT	M	74		
107	BLANK					
108 (S)	049444	TUNNEL DRAINAGE SYSTEM	LS	LUMP SUM	LUMP SUM	
109	680931	150 MM PERFORATED PLASTIC PIPE UNDERDRAIN	M	220		
110	681066	150 MM PLASTIC PIPE	M	170		
111	681990	FILTER FABRIC	M2	380		
112	705223	525 MM CONCRETE FLARED END SECTION	EA	1		
113	705334	300 MM ALTERNATIVE FLARED END SECTION	EA	1		
114	705336	450 MM ALTERNATIVE FLARED END SECTION	EA	8		
115	705337	600 MM ALTERNATIVE FLARED END SECTION	EA	5		
116	705339	900 MM ALTERNATIVE FLARED END SECTION	EA	2		
117	705340	1050 MM ALTERNATIVE FLARED END SECTION	EA	2		
118	707051	DRAINAGE MANHOLE	EA	10		
119	721009	ROCK SLOPE PROTECTION (FACING, METHOD B)	M3	14		
120	729010	ROCK SLOPE PROTECTION FABRIC	M2	37		

ENGINEER'S ESTIMATE**03-375604**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121	731502	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	M3	480		
122	731519	MINOR CONCRETE (STAMPED CONCRETE)	M2	1280		
123 (S)	740500	DRAINAGE PUMPING EQUIPMENT	LS	LUMP SUM	LUMP SUM	
124 (S)	741001	PUMPING PLANT ELECTRICAL EQUIPMENT	LS	LUMP SUM	LUMP SUM	
125 (S-F)	750001	MISCELLANEOUS IRON AND STEEL	KG	7550		
126 (S-F)	750501	MISCELLANEOUS METAL (BRIDGE)	KG	700		
127 (S-F)	049445	MISCELLANEOUS METAL (TUNNEL)	KG	400		
128 (S-F)	750520	PUMPING PLANT METAL WORK	KG	2940		
129 (S-F)	800711	PICKET FENCING	M	370		
130 (S)	810116	SURVEY MONUMENT (TYPE D)	EA	8		
131	031608	CONCRETE BARRIER DELINEATOR (400 MM)	EA	22		
132	820107	DELINEATOR (CLASS 1)	EA	120		
133	031609	DELINEATOR (CLASS 1, SURFACE MOUNTED)	EA	15		
134	031610	HIGHWAY POST MARKER	EA	4		
135	820141	OBJECT MARKER (TYPE K-1)	EA	6		
136	820151	OBJECT MARKER (TYPE L-1)	EA	2		
137 (S)	832003	METAL BEAM GUARD RAILING (WOOD POST)	M	780		
138 (F)	833142	CONCRETE BARRIER (TYPE 26 MODIFIED)	M	289		
139 (S)	839310	DOUBLE THRIE BEAM BARRIER	M	53		
140	839402	CONCRETE BARRIER (SPECIAL)	M	96		

ENGINEER'S ESTIMATE

03-375604

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
141 (S-F)	839521	CABLE RAILING	M	898		
142 (S)	839559	TERMINAL SYSTEM (TYPE ET)	EA	9		
143 (S)	839565	TERMINAL SYSTEM (TYPE SRT)	EA	2		
144 (S)	839568	TERMINAL ANCHOR ASSEMBLY (TYPE SFT)	EA	7		
145 (S)	839603	CRASH CUSHION (ADIEM)	EA	3		
146	839704	CONCRETE BARRIER (TYPE 60D)	M	44		
147	031611	CONCRETE BARRIER (TYPE 60 MODIFIED)	M	270		
148	839705	CONCRETE BARRIER (TYPE 60E)	M	28		
149 (F)	049446	CONCRETE BARRIER (TYPE 60A MODIFIED)	M	169		
150 (F)	049447	CONCRETE BARRIER (TYPE 60D MODIFIED)	M	294		
151 (F)	839720	CONCRETE BARRIER (TYPE 732)	M	187		
152 (F)	839717	CONCRETE BARRIER (TYPE 732 MODIFIED)	M	145		
153 (F)	049448	CONCRETE BARRIER (TYPE 742)	M	165		
154 (S)	840515	THERMOPLASTIC PAVEMENT MARKING	M2	310		
155 (S)	840561	100 MM THERMOPLASTIC TRAFFIC STRIPE	M	11 100		
156 (S)	840563	200 MM THERMOPLASTIC TRAFFIC STRIPE	M	2300		
157 (S)	840564	200 MM THERMOPLASTIC TRAFFIC STRIPE (BROKEN 3.66 M - 0.92 M)	M	240		
158 (S)	840570	100 MM THERMOPLASTIC TRAFFIC STRIPE (BROKEN 10.98 M - 3.66 M)	M	2200		
159 (S)	840571	100 MM THERMOPLASTIC TRAFFIC STRIPE (BROKEN 5.18 M - 2.14 M)	M	810		
160 (S)	850101	PAVEMENT MARKER (NON- REFLECTIVE)	EA	2800		

ENGINEER'S ESTIMATE**03-375604**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
161 (S)	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	1810		
162 (S)	860251	SIGNAL AND LIGHTING (LOCATION 1)	LS	LUMP SUM	LUMP SUM	
163 (S)	860252	SIGNAL AND LIGHTING (LOCATION 2)	LS	LUMP SUM	LUMP SUM	
164 (S)	860253	SIGNAL AND LIGHTING (LOCATION 3)	LS	LUMP SUM	LUMP SUM	
165 (S)	049449	ELECTRICAL WORK (OPERATIONS BUILDING AND TUNNEL)	LS	LUMP SUM	LUMP SUM	
166 (S)	860551	LIGHTING AND SIGN ILLUMINATION (LOCATION 1)	LS	LUMP SUM	LUMP SUM	
167 (S)	860552	LIGHTING AND SIGN ILLUMINATION (LOCATION 2)	LS	LUMP SUM	LUMP SUM	
168 (S)	860553	LIGHTING AND SIGN ILLUMINATION (LOCATION 3)	LS	LUMP SUM	LUMP SUM	
169 (S)	860554	LIGHTING AND SIGN ILLUMINATION (LOCATION 4)	LS	LUMP SUM	LUMP SUM	
170 (S)	860555	LIGHTING AND SIGN ILLUMINATION (LOCATION 5)	LS	LUMP SUM	LUMP SUM	
171 (S)	860556	LIGHTING AND SIGN ILLUMINATION (LOCATION 6)	LS	LUMP SUM	LUMP SUM	
172 (S)	860557	LIGHTING AND SIGN ILLUMINATION (LOCATION 7)	LS	LUMP SUM	LUMP SUM	
173 (S)	861101	RAMP METERING SYSTEM (LOCATION 1)	LS	LUMP SUM	LUMP SUM	
174 (S)	861102	RAMP METERING SYSTEM (LOCATION 2)	LS	LUMP SUM	LUMP SUM	
175 (S)	861103	RAMP METERING SYSTEM (LOCATION 3)	LS	LUMP SUM	LUMP SUM	
176 (S)	031612	REMOVE EXISTING SIGNAL EQUIPMENT (LOCATION 1)	LS	LUMP SUM	LUMP SUM	
177 (S)	031613	REMOVE EXISTING SIGNAL EQUIPMENT (LOCATION 2)	LS	LUMP SUM	LUMP SUM	
178 (S)	031614	WATER SUPPLY SYSTEM	LS	LUMP SUM	LUMP SUM	
179 (S)	049450	MECHANICAL WORK (OPERATIONS BUILDING AND TUNNEL)	LS	LUMP SUM	LUMP SUM	
180	049451	OPERATIONS BUILDING	LS	LUMP SUM	LUMP SUM	

ENGINEER'S ESTIMATE**03-375604**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
181	049452	HINGED DOORS AND HARDWARE	LS	LUMP SUM	LUMP SUM	
182	BLANK					
183	031986	600 MM TO 525 MM REINFORCED CONCRETE ECCENTRIC REDUCER	EA	1		
184	150221	ABANDON INLET	EA	2		
185	698162	450 MM ALTERNATIVE PIPE DOWN DRAIN	M	7		
186	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID: _____